



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. 10/697,863 Art Unit: 1645  
Applicants: Clapham et al. Examiner: Not Yet Assigned  
Date Filed: October 30, 2003 Conf. No. Not Yet Assigned  
Docket No. 110313.135US3 Cust. No. 23483  
Title: Sperm-Specific Cation Channel, CatSper1, and Uses Therefor

\*\*\*\*\*  
CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 11, 2005

Date of Deposit

Tricia A. Troup

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

\*\*\*\*\*  
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants and their legal representatives hereby make of record on the attached PTO Form-1449 the following publications. Copies of all of the references listed on the PTO Form-1449 and not previously submitted are enclosed.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b)(3) before the mailing date of a first Office Action on the merits, therefore no fee is due.

I hereby state under 37 C.F.R. § 1.97 (e)(1) that each reference included in this Information Disclosure Statement was cited in a communication (copy enclosed) from a foreign patent office on a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. The references that are cited in the foreign communication and for which copies are not included in this Information Disclosure Statement were included in previously filed Information Disclosure Statements for this application.

It is respectfully requested that the information above be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. *In this regard, it is requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.*

This submission does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art. If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

No fees are believed to be due in connection with this matter; however, please charge any fees that might be due to Deposit Account No. 08-0219 referencing attorney docket No. 110313.135US3.

Respectfully submitted,



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Date: May 11, 2005

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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Attorney Docket No.: 110313.135US3)

Applicant(s): Clapham, et al.

Serial No.: 10/697,863

Examiner: Not Yet Assigned

Filed: October 30, 2003

Group Art Unit: 1645

For: SPERM-SPECIFIC CATION CHANNEL, CATSPER1, AND USES THEREFOR

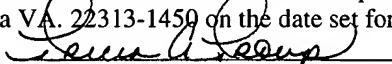
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**CERTIFICATE UNDER 37 C.F.R. 1.8(a)**

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May 11, 2005

Date

  
Tricia A. Troup

**TRANSMITTAL LETTER**

Commissioner:

Enclosed for filing in the above-identified application are the following documents:

- 1.) Second Supplemental Information Disclosure Statement,  
including 23 references;
- 2.) Form PTO-1449; and
- 3.) Return Postcard.

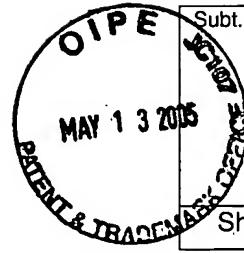
Please charge any deficiency or credit any overpayment in connection with this matter to  
Deposit account No. 08-0219.

Respectfully submitted,

Dated: May 11, 2005

  
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Sub. For, PTO-1449 <b>INFORMATION DISCLOSURE IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>				Docket Number <b>110313.135US3</b>	Application Number <b>10/697,863</b>
				Applicants <b>Clapham et al.</b>	
Sheet	1	OF	2	Filing Date <b>October 30, 2003</b>	Group Art Unit <b>1645</b>

<b>U.S. Patent Documents</b>				
Examiner Initial	Document Number	Publn. Date mm-dd-yyyy	Name Of Patentee Or Applicant Of Cited Documents	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear

<b>Foreign Patent Documents</b>					
Examiner Initial	Cite No.	Foreign Patent Document	Publn. Date mm-dd-yyyy	Country	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code-Number-Kind			
		WO 00/61624	10-19-2000	PCT	
		WO 01/75067 A2	10-11-2001	PCT	
		WO 02/090567 A2	11-14-2002	PCT	
		WO 03/089583 A2	10-30-2003	PCT	
		WO 03/099865 A1	12-04-2003	PCT	

Examiner's Initial	<b>Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)</b>	
	Y	Database EMBL, 20 October 2000, XP002314898, Database Accession No. BF092492
	Z	Database EMBL, 8 October 2001, XP002314906, Database Accession No. BI826910
	AA	Database EMBL, 8 October 2001, XP002314907, Database Accession No. BI829451
	AB	Database EMBL, 9 May 2001, XP002314908, Database Accession No. BG718343
	AC	Database EMBL, 9 May 2001, XP002314909, Database Accession No. BG718245
	AD	Database EMBL, 29 November 2001, XP002314910, Database Accession No. ABL90376
	AE	Database EMBL, 29 November 2001, XP002314911, Database Accession No. ABB89967
	AF	Database EMBL, 25 March 2004, XP002314912, Database Accession No. ACN41330
	AG	Database EMBL, 25 January 2001, XP002314968, Database Accession No. BF934163
	AH	Garbers D.L., "Ion channels. Swimming with sperm," Nature, Vol. 413, No. 6856, Oct 2001, pp. 579, 581-582, XP 002314956
	AI	Quill, T. A., et al., "A voltage-gated ion channel expressed specifically in spermatozoa," Proc. Natl. Acad. Sci. USA, Vol. 98, No. 22, October 2001, pp. 12527-12531, XP002253116

EXAMINER	DATE CONSIDERED
<b>EXAMINER:</b> Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

Sub. For, PTO-1449				Docket Number 110313.135US3	Application Number 10/697,863
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicants Clapham et al.	
Sheet	2	OF	2	Filing Date October 30, 2003	Group Art Unit 1645

	AJ	Database EMBL, 8 June 2000, XP002314899, Database Accession No. AW971983
	AK	Database EMBL, 14 November 1997, XP002314900, Database Accession No. AA662668
	AL	Database EMBL, 2 December 2000, XP002314901, Database Accession No. BF436942
	AM	Database EMBL, 11 September 1997, XP002314902, Database Accession No. AA574312
	AN	Database EMBL, 30 November 1999, XP002314903, Database Accession No. AW197851
	AO	Database EMBL, 2 March 2000, XP002314904, Database Accession No. AW472972
	AP	Database EMBL, 11 October 2001, XP002314905, Database Accession No. AAS90759

EXAMINER	DATE CONSIDERED
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